

**Raju Swargam**

**Cloud SRE/DevOps/Security/Finops**

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**Professional Summary**

* 14 years of experience in architecting/developing/Implementing/delivering/managing large scale infrastructure in multi cloud environments (AWS/AZ).
* Study existing technology landscape and understand current application workloads and technical requirements from customer and providing technology suggestions to Application teams.
* Implemented the automated patching solution: [**https://aws.amazon.com/blogs/apn/how-tech-mahindra-built-a-self-service-patch-management-process-using-aws-native-services/**](https://aws.amazon.com/blogs/apn/how-tech-mahindra-built-a-self-service-patch-management-process-using-aws-native-services/)
* Hands on experience in development of the cloud control framework, staying updated on cost optimization strategies, driving FinOps value, providing forecasting and reporting on Azure resource spend.
* Analyzing cloud usage and finding cost optimization opportunities, Identifying cost savings through automation and right-sizing, providing visibility and reporting on cloud costs to stakeholders.
* Expert in partnering with the product and application teams to ensure appropriate alerts strategies are deployed and maintained at scale to manage costs.
* Strong experience in cloud security controls VPC subnets/nacl/SG/routings, network, firewall, BGP, AZ FW, express routes, AZ Devops, NSG, ASG, LDAP,SSO,DNS, Containers(ECS/EKS).
* Hands on experience in IaC (Terraform/CloudFormation).
* Experience in Developing & managing the 100+ CI/CD pipelines for GE CoreTech customer since 2016.
* Experience in developing Python scripts to automate network device configuration and integrations.
* Proficiency in developing Cloud Security policies and strategies with the organization’s compliance structure. Providing Risk Management and mitigation recommendations for projects in organization.
* Manage the end-to-end delivery of complex cloud-based solutions, ensuring projects are delivered on time, within scope, and budget.
* Work with customer, internal teams, and third-party vendors, to define project requirements, scope, and objectives.
* Ensure technical solutions meet business objectives and comply with security and compliance standards.
* Conducting services reviews (Monthly/weekly/Quarterly) with client and senior leadership, responsible for Client deliverables, and delivery Service Level Agreements.

**Technical Skills:**

* AWS, Azure, WebLogic, Tomcat, Jboss, WebSphere, Apache
* Docker, Kubernetes, Terraform, Python, GIT, Artifactory, Jenkins,
* Linux, windows, problem solving skills, documentation.
* Qualys, CrowdStrike, Wiz, ServiceNow (ITIL), New Relic, Splunk

**Education Details:**

* Master of Computer Application – Kakatiya University(2007 – 2010)

**Certifications:**

* AWS Certified Security – Specialty
* Azure Fundamentals

**Experience:**

**Tech Mahindra**

**General Electric – Atlanta GA, US**

**GE - Cloud Separation/Infrastructure/Security Engineer Jan/2022 – Aug/2024**

* Led the cloud separation/infrastructure/security/engineering team, I was responsible to build and manage products/services consumed by GE businesses (AWS/AZ) using Terraform/CloudFormation/Docker.
* Played a SRE/DevOps/SecOps engineer role in GE Coretech/Healthcare/Aerospace business (700+ AWS accounts and 500+ AZ subscriptions).
* Handled the cloud security for GE guardrails (Subnets/NACL/Routing/TGW/Peering/VGW/AZ FW/BGP/Express route).
* Built the 50+ Hardened Images/containers for GE customers using Docker/Chef/Python.
* Configured the Third party security agents like Wiz/Crowdstrike/Qualys to monitor the Infrastructure vulnerabilities.
* I partnered with business owners, architects, and technology leaders in managing the end-to-end cloud Infrastructure security/cyber & engineering (Python/Terraform/CloudFormation).
* Actively involved in JIT(Just In Time) cloud access development(Python).
* Streamlined the business separation process for divesting the AWS accounts to business.
* Worked on SSL, BGP and Next Generation Firewalls (Palo Alto etc.)
* Conducted post-incident reviews to continuously improve incident response processes.
* Worked with GE healthcare and Aerospace business for the Secops configurations/transfers.
* Worked with Internal/External auditors, compliance teams and fixed the issues which Identified by auditors.

**GE – Managed Cloud (Healthcare/Power/Aviation) May/2016 – Dec/2021**

* I handed the day-day-day cloud operations for 500+ AWS accounts and 200+ AZ subscriptions. Troubleshooting/migration/security (EC2, S3, LB, ASG, lambda, CDN, WAF, API, endpoints, containers, hardening, peering, DirectConnect, TGW etc).
* Identified the application utilizations and performed rightsizing (downgrading the instance type) which helped business to save cost ($50K-EC2/ELB/ALB/aged snapshots/unattached volumes/EFS/NAT/DB/S3).
* I re-wrote the patching solution ([**https://aws.amazon.com/blogs/apn/how-tech-mahindra-built-a-self-service-patch-management-process-using-aws-native-services/**](https://aws.amazon.com/blogs/apn/how-tech-mahindra-built-a-self-service-patch-management-process-using-aws-native-services/)**)** to fix the aged vulnerabilities (Linux/Windows) on 10k servers.
* I configured the AWS/AZ WAF and configured the third party CDN tools like Impreva, Akamai CDN’s and Backups & recovery.
* I was responsible for handling the 500+ SSL certificates which was enabled at different ELB’s/ALB’s/WAF’s.
* Handled/managed the 100+ CI/CD pipelines as part of day-to-day support.
* Worked with on-prem Network and Firewall team to investigate latency issues, network packet drops and system performance issues.

**GE – Web Build/Operations (Healthcare/Power/Aviation) Apr/2014 – Apr/2016**

* I was part of web build team to build the web and application servers to the GE customers.
* Used Scalr tool to build the infrastructure in AWS cloud environment and I worked on decommission the infrastructure based on the user requests.
* I configure the SAML/OIDC auth post building the infrastructure and handed the SAML certificates renewals.
* Migrated 100+ applications from on-prem data center to AWS cloud (**Rehost & Replatform**).
* Worked with DNS, NW, FW teams as part of build process for IP allocation, network and firewall setup.
* Responsible for configuring the LDAP for the newly built web/app servers.
* Worked with internal auditors to review the builds and sing-offs.

**Middleware consultant**

**POLARIS – RBI / HFB (2012-2014)**

**Clover InfoTech (2010-2012)**

* Good experience in deploying, configuring the banking domain applications in WebLogic application server.
* Troubleshooting, load balancing, clustering, performance tuning and maintenance.
* Create and configure WebLogic domains for multiple applications.
* Expert in code deployments/promotions, performance monitoring and performance tuning, JDBC pool configurations.
* Upgradation of WebLogic servers in development, testing and production environment and applying patch and service packs
* WebLogic Administration, Monitoring and Troubleshooting using Admin Console and JMX.
* Cluster Configuration – Single Cluster, Multiple Clusters and Deployment over clusters.
* WebLogic's HttpProxyServlet and HttpClusterServlet configurations
* Server Performance Tuning - Thread Dump Analysis, Core Dump Analysis when Server crashed unevenly.
* JMS Configurations– JMS Server, Connection Factory, Foreign JMS server, Message Bridge, Topic/Queue, Distributed destinations
* Creating security roles, group policy, user authentication, auditing, and authorization
* Work on Web Security tools- LDAP Server, SSL Certificates, and client authentication.
* Node Manager Configuration – remote managed server starts and stop. SSL communication between admin server and node manager.
* Monitoring WebLogic server health and security alerts.
* Tuning JVM heap size to maximize the number of clients accessing the applications.